



Nortel Networks Communication Server 1000
**Nortel Networks WLAN
Handset 2210 User Guide**



Revision history

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Standard 2.00. This document is up-issued to support the Nortel Networks WLAN Handset 2210.

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Standard 1.00. This is a new document developed to support the Nortel Networks WLAN Handset 2210.

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Regulations and safety information

FCC Rules – Part 15

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



WARNING

Changes or modifications to this equipment not approved by Nortel Networks may cause this equipment to not comply with part 15 of the FCC rules and void the user's authority to operate this equipment.



CAUTION

This equipment contains no user-serviceable parts inside. Refer servicing to qualified service personnel.



WARNING

- Follow standard acceptance procedures before operating the Wireless Handset near life-support systems.
- To minimize risk of interference, pacemaker users should not carry the Wireless Handset next to the pacemaker.
- Avoid placing the handset near small metallic objects. The handset earpiece attracts magnetic objects.
- The Wireless Handset produces noise noticeable to hearing aid users. Use a headset compatible with hearing aids.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio Frequency (RF) information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operational warnings



WARNING

For vehicles equipped with an air bag: Do not place a portable radio product in the area over the air bag or in the air bag deployment area. An air bag inflates with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio product may be propelled with great force and cause serious injury to occupants of the vehicle.



WARNING

Potentially explosive atmospheres: Turn off your radio product, prior to entering any area with a potentially explosive atmosphere, unless it is a radio product type especially qualified for use in such areas (for example, Factory Mutual Approved). Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

**CAUTION**

Loud noise environment: The WLAN Handset 2210 has been designed to produce optimal voice quality. However, when used in extremely loud noise environments (for example, close to working heavy machinery), users may experience degradation in call quality performance due to echo. Avoid using the handset when traversing these types of environments.

The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Batteries: All batteries can cause property damage and/or bodily injury, such as burns, if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Cleaning and drying considerations: Using a leather carry case may help protect the surfaces and help prevent liquids (for example, rain) from entering into the interior of the radio product. This product is not waterproof, and exposing the unit to liquids may result in permanent damage to the unit.

If your handset interior gets wet, then do not try to accelerate drying with the use of an oven or a dryer as this will damage the handset and void the warranty. Instead, do the following: 1. Immediately power off the handset. 2. Remove Battery Pack from handset. 3. Shake excess liquid from handset. 4. Place the handset and Battery Pack in an area that is at room temperature and has good airflow. 5. Let the handset and Battery Pack dry for 72 hours before reconnecting the Battery Pack and/or powering on the handset. If the handset does not work after following the steps listed above, contact your dealer for servicing information.

See page “Cleaning your handset” on page 23 for cleaning instructions.

Electromagnetic interference and compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio product in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Medical devices

Pacemakers: The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless radio product and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.



WARNING

Persons with pacemakers should:

- ALWAYS keep the radio product more than 6 inches (15 cm) from their pacemaker when the radio product is turned ON.
- Not carry the radio product in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio product OFF immediately if you have any reason to suspect that interference is taking place.

Hearing aids: Some digital wireless radio products may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other medical devices: If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Use while driving













Check the laws and regulations on the use of radio products in the area where you drive. Always obey them. When using the radio product while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

International certifications

Table 1 shows the international certifications applicable to the 2210 Wireless Handset.

Table 1
International certifications

Australia	
Brazil	
Canada	 2128B-12238
European Union	 0678
Norway	
Switzerland	 Switzerland
Japan	 R005NYCA0015 2.4 DS4 — — —
Mexico	 
New Zealand	Z233
Singapore	IDA
Hong Kong	<div>  ertified for use in Hong Kong 經驗證可在香港使用 </div> <div>  Certificate No. LP404143 證書號碼 電訊管理局 </div>
United States	 IEC60950
United States	 Part 15

Specific Absorption Rate (SAR) information

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- ANSI C95.1 (1992) American National Standards Institute
- NCRP - Report 86 (1986) National Council on Radiation Protection and Measurements
- ICNIRP (1996) International Commission on Non-Ionizing Radiation Protection;
- DHWC - Safety Code 6 Department of Health and Welfare Canada

Those standards were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (for example, at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID IYGSNP2400. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

The only authorized headsets that may be utilized with the Nortel Networks WLAN Handset 2210 are those obtainable from Nortel Networks or its reseller partners.

The measured SAR of the SNP2400 Wireless Handset is:

0.0495W/kg @ 2412 MHz (head) 0.0309W/kg @ 2412 MHz (body).

IMPORTANT!

Phone Operation Normal Position: Hold the phone as you would any other telephone, with the earpiece to your ear and speak into the microphone. The internal antenna is then positioned properly.

Your WLAN Handset 2210

This document describes the 2210 Wireless Handset and its features when operating on Nortel Networks Communication Server 1000. The 2210 Wireless Handset is a fully functional handset specifically designed for the busy office environment.

Note: Not all features described in this guide are available on all handsets. Consult your network administrator to verify which features are available for your use.



WARNING

- Follow standard acceptance procedures before operating the Wireless Handset near life-support systems.
- To minimize risk of interference, pacemaker users should not carry the Wireless Handset next to the pacemaker.
- Avoid placing the handset near small metallic objects. The handset earpiece attracts magnetic objects.
- The Wireless Handset produces noise noticeable to hearing aid users. Use a headset compatible with hearing aids.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



CAUTION

Loud noise environment: The WLAN Handset 2210 has been designed to produce optimal voice quality. However, when used in extremely loud noise environments (for example, close to working heavy machinery), users may experience degradation in call quality performance due to echo. Avoid using the handset when traversing these types of environments.

Figure 1
2210 Wireless Handset controls



Handset controls and descriptions



Use the **Power On/Start Call** key to turn on your 2210 Wireless Handset. This key also affects some of the states of the handset (see Table 2 on page 20).



Use the **Power Off/End Call** key to terminate an active call and turn off the handset.



Press the **Menu** key to view the full description of the soft key abbreviations and access the handset features. Press and hold Power On/Start Call. Two chirps sound. The **Menu** key displays a list of features. Select these features by pressing the number key corresponding to the feature or by using the

Up, **Down**, and **Select** buttons.



Use the **Line** key to access the Feature Keys menu. Select these features by pressing the number key associated with each feature.

Note: The **Line** key accesses the six Feature Keys located at the top of an i2004 Internet Telephone display area.



Use the **Function** key to access the handset functions when in the active (idle) state (see Table 3 on page 21).

The **Function** key also provides access to the User Option menu in the standby state.



Soft keys (self-labeled) are located below the display area. The LCD label above the key changes, based on the state of the handset. Use the four **Soft keys** (A, B, C, D) to activate the displayed soft key feature.

Use the **Up**, **Down**, and **Select** buttons on the side of the handset to navigate and activate the various menu options.

Status indicators

No Service

You are outside of the coverage area and cannot receive or place calls. An audible alarm also sounds. Return to the coverage area to re-establish the connection.



Your Battery Pack charge is low. An audible beep also sounds. Replace your Battery Pack within two minutes.



You have a new voicemail message.

Melody

A melody is played when the Wireless Handset is turned on for the first time following a completed charge.

The states of the handset

The 2210 Wireless Handset can be in one of seven states (see Table 2).

Table 2
The seven states of the 2210 Wireless Handset (Part 1 of 2)

State	Description
Power off	The handset is turned off. It is not registered with the Call Server. Normally the handset enters the power-off state when the user presses the Power Off/End Call key for approximately two seconds when the set is in the standby state. The batteries can be recharged in the power-off state.
Standby	This is the normal state when the handset is online but inactive. In the standby state, the handset can receive calls and access the User Option menu. To perform other operations, the handset must be active (off-hook). The standby state uses less power than the active (idle) state. The batteries can be recharged in the standby state.
Active (off-hook)	This is equivalent to a regular telephone being off-hook. The handset goes to the active (off-hook) state by pressing the Power On/Start Call key when the handset is in the standby or active (idle) states.
Active (idle)	<p>This is equivalent to a regular telephone being idle. The active (idle) state is reached in two ways:</p> <ul style="list-style-type: none">• An incoming call in the Standby state causes the handset to go to the active (idle) state and begin ringing.• The user presses the FCN and 3 keys when the handset is in the active (off-hook) state to access the function menu. In this state the handset will not ring when there is an incoming call. <p>Note: In the active (idle) state the handset and access point exchange a small packet about once every 15 milliseconds. This increases the power consumption and consumes bandwidth, particularly for the RF portion of the link. Therefore, the set would not normally be left in the Idle state except for special situations.</p>
Error	The handset enters the error state when it loses the signal from the access point. If the handset regains the signal within approximately 20 seconds, it returns to its state when it lost the signal. If the handset is out of range for longer than 20 seconds the set restarts and returns to the standby state.

Table 2
The seven states of the 2210 Wireless Handset (Part 2 of 2)

State	Description
Active call	The handset enters the active call state when a user is in an active conversation. To enter this state, the user either makes a call or answers an incoming call.
Push-to-talk	The Push-to-talk state begins with the first Push-to-talk transmission and ends when there has been no two-way radio traffic on the channel for 10 seconds. While in the Push-to-talk state, it is not possible to use the key pad for any other functions. However, it is possible to place and receive telephone calls.

Function menu items

Your 2210 Wireless Handset has five non-programmable Function menu items. Table 3 lists these menu items and their corresponding functions and descriptions. To activate the functions on your 2210 Wireless Handset, press the **Function** key – in the active (idle) or active (off-hook) states – and the appropriate number on the key pad, or use the **Up** and **Down** buttons on the side of the handset to scroll through the functions and the **Select** button to select and activate a function.

Table 3
2210 Wireless Handset function menu items (Part 1 of 2)

Function menu item	Function	Description
1	Mute	Use the Mute function to listen to the receiving party without transmitting. Press the Mute key again to return to a two-way conversation.
2	Hold	Use the Hold function to put an active call on hold. Press the Line key beside the flashing icon to return to the caller on hold.

Table 3
2210 Wireless Handset function menu items (Part 2 of 2)

Function menu item	Function	Description
3	Goodbye	Use the Goodbye function to enter the active (idle) state to access the function menu. This is particularly useful if you want to make another call immediately. Simply press the FCN and 3 keys, then dial the number. <i>Note:</i> If you do not intend to make another call, press the Power Off/End Call key to end your current call and place the handset in the standby state.
4	Directory	Use the Directory function to search the Corporate Directory, if configured. <i>Note:</i> If you receive multiple results from your search, there is no method to scroll through the results since there are no navigation buttons on the handset.
5	Inbox	Use the Inbox function to access your voice mail box.
6	Outbox	Reserved for future use.

Enter text using the handset key pad

You can use the handset key pad to enter text on the 2210 Wireless Handset.

Press the key once for the first letter printed on that key, twice to get the second letter, and three times for the third letter.

The letters Q and Z do not appear on the handset key pad. They are, however, programmed on keys 7 and 9 respectively (in alphabetical order).

Cleaning your handset

The 2210 Wireless Handset occasionally needs to be cleaned to maintain appearance. In general, wiping the handset surface with a clean water-dampened cloth or paper towel removes most films or residues.

If more rigorous cleaning is required, you can use:

- A mild detergent solution. Be sure to wipe away any detergent residue with a plain water-dampened cloth.
- Any general-purpose household glass and surface cleaner. Do not spray the handset directly. Spray the cleaner on a soft cloth or paper towel, then wipe the handset.
- Pre-treated cloths, like those used for eyeglasses or cameras.
- Pre-moistened towelettes. Avoid those containing lanolin or aloe as it leaves a slippery residue.
- Isopropyl alcohol, applied by a damp cloth or paper towel. When using alcohol, do not rub the key pad characters vigorously, as this will significantly degrade legibility.

IMPORTANT!

- Do not use furniture polishes, waxes, or plasticizer-based cleaner.
- Do not use lanolin, aloe, glycerin, or other skin care products.
- Do not apply any solvent such as acetone or mineral spirits.
- Do not directly spray or immerse the handset.

If the headset connector becomes dirty, you may experience a scratchy or intermittent signal. To clean the connector, dip the padded end of either a wooden or paper handled cotton swab in isopropyl alcohol. Gently insert in the connector and twist, repeating several times. If available, blow compressed air into the connector to clear debris.

Basic handset operation

Turn on the 2210 Wireless Handset

To turn on the handset:



1. Press and hold the **Power On/Start Call** key for two seconds.

Two chirps sound.

2. Release the **Power On/Start Call** key.

The in-service tone sounds and the extension number displays.

The handset is now in standby mode and ready to make and receive calls.

Turn off the 2210 Wireless Handset

To turn off the handset:



Press and hold the **Power Off/End Call** key. One chirp sounds and the handset turns off.

Note: The 2210 Wireless Handset cannot be turned off during a call. First end the call, then turn off the handset.

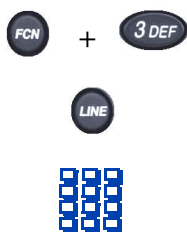
Make a call

To make a call:



1. Press the **Power On/Start Call** key. You receive a dial tone.
2. Dial the number. Dial calls exactly as you would with a regular telephone. You can dial extension numbers, internal numbers, or make external calls, depending on your system.

To make a call using a line:



1. Press the **Function** key and the number **3** key to enter the active (idle) state.
2. Press the **Line** key and the number key (1 through 6) for the desired line.
3. Dial the number. Dial calls exactly as you would with a regular telephone. You can dial extension numbers, internal numbers, or make external calls, depending on your system.

Make a headset call

To make a call using a headset:

1. Connect the headset to the headset jack.
2. Follow the steps in “Make a call” on page 25 to make your call.

Answer a call

The handset rings or vibrates to alert you of an incoming call. Additionally, a line number on the display flashes, and the display shows information about the call, such as the caller's name and extension.

To answer a call:



Press the **Power On/Start Call** key.

To answer a call on another line:



Note: While on a call, you hear a soft beep to indicate another incoming call.

1. If on a call, press the **Function** key to access the list of functions.
2. Press the number **2** key to place the current call on hold.
3. Press the **Line** key to access the Line (DN) feature keys.

4. Press the number key corresponding to the flashing line number.

To answer a headset call:

When a headset is plugged into the handset, press any key other than Power On/Start Call, Power Off/End Call, soft keys or the side buttons.

Hang up a call

To hang up the handset:



Press the **Power Off/End Call** key. Be sure to do this at the end of each call.

Change the speaker volume

To change the speaker volume:

While in the active state, press the **Up** and **Down** buttons to increase or decrease the volume of the speaker.

Note: As the volume is adjusted, the setting is shown in a small bar graph on the display. The volume setting is retained between calls as well as when the set is powered off.

Silence the ringer

To silence the ringer:



Press the **Power Off/End Call** key when the handset is ringing. This function does not interrupt the call and the caller can leave a voicemail message.

Activate the backlight

To activate the backlight:

Press any key to activate the backlight.
It also activates when there is an incoming call. The backlight turns off after 10 seconds if no key is pressed.

Feature and function activation

You can view the features and functions programmed in your system using the Shortcut menu, soft key features, and the Line (DN) features. You can access some functions and features using one or more of the methods described in this section.

Shortcut menu – MENU key

Use the Shortcut menu to view the full description of the soft key abbreviations and access the handset features.

To activate a feature using the Shortcut menu:



1. Place the handset in the active (idle) or active (off-hook) state.
2. Press the **Menu** key. The Shortcut menu displays in the main display area.
3. Press the **Up** and **Down** buttons to scroll through the list of features. The abbreviation is highlighted in the display area.
4. Do one of the following:
 - Press the **Select** button to activate a feature, while highlighted.
 - Press the appropriate number key (shortcut key). The feature does not have to be highlighted.

Function menu – FCN key

Use the Function key to view and activate the 2210 Wireless Handset functions. This includes the fixed functions (see Table 3 on page 21).

To activate a function using the Function key:



1. Place the handset in the active (idle) or active (off-hook) state.



2. Press the **Function** key to display the first four functions in the display area. Repeat to view more functions.
3. Press the **Up** and **Down** buttons to scroll through the list of functions. The function abbreviation is highlighted in the display area.
4. Press the **Select** button to activate the highlighted function.

Soft key features

The four soft keys on your 2210 Wireless Handset enable you to quickly activate soft key features. The display area directly above each soft key is programmed with a feature abbreviation.

The soft keys operate with a toggle function. Press the left or right side of the key to activate the corresponding soft key feature.

To activate a soft key feature:



1. Go off-hook.
The soft key labels display in the display area.
2. Press the **soft key** corresponding to the desired feature.

Feature Keys menu – LINE key

The **Line** key enables you to access the Feature Keys menu. The features on the Feature Keys menu are programmed on each handset using the six line keys (number keys 1 through 6).

Note: A feature must be available on the system before it can be programmed on a handset.

To activate a feature:



1. Go off-hook.
2. Press the **Line** key to view the Feature Keys menu in the upper display area.

3. Do one of the following:
 - Press the number key (1 through 6) corresponding to the desired feature.
 - Use the **Up**, **Down**, and **Select** buttons to activate a feature.

Using the shortcut keys

The 2210 Wireless Handset features are programmed on the following shortcut keys:

- number keys 0 to 9
- * key
- # key

These shortcut keys display next to the feature abbreviations when viewing the features.

To activate a feature or function using its shortcut key, press the shortcut key at any time while in the Shortcut menu or the Function menu. The feature or function activates whether or not that feature is currently displayed or highlighted.

The headset

Nortel Networks offers optional headsets for use in noisy environments or if you need to have your hands free while talking.

To use the headset, simply plug it into the jack on the bottom of the handset, if available in your region. The headset is specially designed to work with the 2210 Wireless Handset. Nortel Networks does not recommend using other headsets.

Figure 2
2210 Wireless Handset bottom view



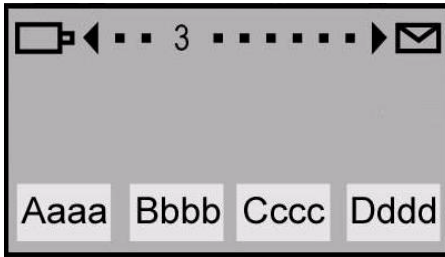
IMPORTANT!

The only authorized headsets that can be used with 2210 Wireless Handset are those obtained from Nortel Networks, Plantronics, or their reseller partners.

Handset display

This section summarizes the display features of the 2210 Wireless Handset.

Figure 3
2210 Wireless Handset display



The 2210 Wireless Handset has three display areas:

- The upper display area is a status row that displays the handset status. It can include: a battery level indicator, left and right arrows, a series of dots, and a message waiting indicator. Each dot represents a line that changes to a number when active.
- The middle display area is a text area, four lines by 19 characters in size. Lines in the text area longer than 19 characters are truncated by a special algorithm that removes spaces and punctuation first and then vowels.
- The lower display area provides soft key labels. Each soft key label is a maximum of four characters long. The soft key labels are compressed with the same algorithm as used in the text area.

User Option menu

When the 2210 Wireless Handset is in standby mode (power is on, but the handset is not in use), press and briefly hold the **Function** key to display the User Option menu.

This section describes the following standard User Option menu items:

- Ring Type
- Noise Mode
- Alias IP Address
- Current IP Address
- Extension
- Current Call Server
- Terminal Type

Check with your system administrator for specific features supported by your 2210 Wireless Handset.

Select Ring Type

The Ring Type option allows you to set the Wireless Handset ring tone for the three different ringers: Telephone, Auxillary 1, and Auxillary 2.

Note: Auxillary 1 and Auxillary 2 are reserved for future use.

To select Ring Type:



Ring Type

1. Press and hold the **Function** key when in the standby state.
2. Use the **Up** and **Down** buttons to scroll through the menu and highlight **Ring Type**.
3. Press the **Select** button (or the **OK** soft key) to select the option. The next menu level displays.

4. Use the **Up** and **Down** buttons to scroll through the menu and highlight one of the following settings (an asterisk indicates the selected setting):
 - Normal: Produces an audible ring. This is the default setting.
 - Vibrate: Vibrates.
 - Vib/Norm: Vibrates for six seconds, then rings.
5. Press the **Select** button (or the **OK** soft key) to select the setting.
6. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.



Select Noise Mode

The Noise Mode option enables the user to adjust the handset for different levels of noise within the working environment.

To select Noise Mode:



Noise Mode

1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and select **Noise Mode**.
3. Press the **Select** button (or the **OK** soft key) to select the option. The next menu level displays.

4. Use the **Up** and **Down** buttons to scroll through the menu and highlight one of the following settings (an asterisk indicates the selected setting):
 - Normal: For most office environments. This is the default setting.
 - High: For moderate background noise.
 - Severe: For extremely noisy conditions.
5. Press the **Select** button (or the **OK** soft key) to select the setting.
6. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.



Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

View Alias IP Address

The Alias IP Address option shows the IP address currently assigned to the handset by the call server.

Note: The Alias IP Address option is for display purposes only. You cannot edit this option.

To view the Alias IP Address:



Alias IP Addr

1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and highlight **Alias IP Addr**.



3. Press the **Select** button (or the **OK** soft key) to view the alias IP address for the handset.
4. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

View Current IP Address

The Current IP Address option enables the user to view the current IP address of the handset.

Note: The Current IP Address option is for display purposes only. You cannot edit this option.

To view the Current IP Address:



Current IP Addr

1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and highlight **Current IP Addr**.
3. Press the **Select** button (or the **OK** soft key) to view the IP address for the handset.

Up



4. Do one of the following:

- Press the **Up** soft key to return to the previous menu and set another option.
- Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

Enter Extension

The Extension option enables the user to enter the extension number for the handset. This number is used to identify the handset. It displays when the handset is in the standby state.

To enter the Extension:



Extension

Save



1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and highlight **Extension**.
3. Press the **Select** button (or the **OK** soft key) to select the option.
4. Enter the extension number using the handset key pad.
5. Press the **Save** soft key to save your extension number.



6. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

View Current Call Server

The Current Call Server option shows the Call Server IP address and port number.

Note: This option is for display purposes. You cannot edit this option.

To view the Current Call Server:



1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and select **Current Call Svr**.
3. Press the **Select** button (or the **OK** soft key) to select the option. The Call Server IP address and port number displays.



4. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

View Terminal Type

The Terminal Type option shows the type of PBX used by the system.

Note: The Terminal Type option is for display purposes only. You cannot edit this option.

To view the Terminal Type:



Terminal Type

Up



1. Press and hold the **Function** key when in standby mode.
2. Use the **Up** and **Down** buttons to scroll through the menu and select **Terminal Type**.
3. Press the **Select** button (or the **OK** soft key) to select the option. The terminal type displays.
4. Do one of the following:
 - Press the **Up** soft key to return to the previous menu and set another option.
 - Press the **Power Off/End Call** key to exit all menus and return to the standby state.

Note: You can also press the **Exit** soft key from the top-level menu to exit and return to the active (off-hook) state.

Call features

System administration is required for Call features. Contact your system administrator to ensure that these features are supported by the system software and to have them configured on your handset.

IMPORTANT!

Access to the features and functions in the following sections are dependent on your system configuration. Contact your system administrator to determine whether specific features are accessible through your 2210 Wireless Handset.

Making calls

This section describes features associated with making a call.

Use Autodial

The Autodial feature displays, stores, and automatically dials telephone numbers.

To use Autodial:



AutoDial

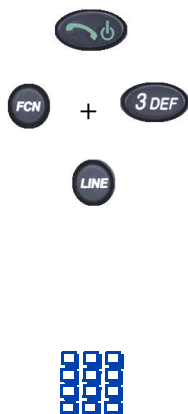
1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key (1 through 6) corresponding to the DN number to dial the number.

To display Autodial number:



1. Go off-hook.
2. Press the **Line** key to view the first page of Autodial numbers.
3. Press the **Line** key again to view the next page of Autodial numbers.

To store an Autodial number:



1. Go off-hook.
2. Press the **Function** key and the number **3** key to enter the active (idle) state.
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key (1 through 6) corresponding to the desired location to store the number.
5. Dial the telephone number (including access code) to be stored on the selected **AutoDial** key.

6. Press the **Line** key again to access the Feature Keys menu.
7. Press the number key (1 through 6) corresponding to the desired location chosen in step 4 to store the number.

Note: The selected line number flashes in the upper display area.

Activate Ring Again

Use the **Ring Again** feature if a busy tone sounds or when there is no answer after placing a call. **Ring Again** causes the ring again indicator to flash, indicating that the person you tried to call is available. **Ring Again** also automatically redials the number.

Note: The **Ring Again** feature is available only when the handset is in the active state. Also, the handset cannot produce a tone (no speakerphone), therefore you must visually check the handset for the flashing indicator.

To use Ring Again:



RngA



1. Go off-hook.
2. Dial a number.
3. If you receive a busy tone or no answer, press the **Ring Again** soft key.

To call a Ring Again party when you receive notification:



RngA



1. After receiving the visual notification, go off-hook.
2. Press the **Ring Again** soft key to automatically dial the number.

To Quit Ring Again before notification:

RngA



Before seeing the visual notification, press the **Ring Again** soft key a second time.

Redial last number called

The Last Number Redial feature automatically redials the last dialed number.

To use Last Number Redial:



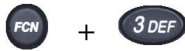
Redial

1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Last Number Redial** feature.

Use Speed Call

By entering a one, two, or three digit code (0–999), use the Speed Call feature to store, edit, and automatically dial frequently-called telephone numbers.

To store a Speed Call number:



SpCallCtrl



1. Go off-hook.
 2. Press the **Function** key and the number **3** key to enter the active (idle) state.
 3. Press the **Line** key to access the Feature Keys menu.
 4. Press the number key (1 through 6) corresponding to the **Speed Call Controller** feature.
- Note:** The triangular icon flashes, indicating programming mode.
5. At the prompt:
 - a. Enter a one-, two-, or three-digit code (0–999) and the telephone number. This number can be internal, external, or long distance.
 - b. If required, dial the access code.

SpCallCtrl

6. Press the number key (1 through 6) corresponding to the **Speed Call Controller** feature again to save the code and number.

Note: The flashing icon turns off.

To make a Speed Call:



SpCallCtrl



1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key (1 through 6) corresponding to the **Speed Call Controller** feature.
4. Dial the **Speed Call** code to automatically dial the number.

Make a System Speed Call

Use the System Speed Call feature to dial Speed Call codes that override all restrictions on a call.

To make a System Speed Call:



SpCallUser



1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key (1 through 6) corresponding to the **Speed Call Controller User** feature.
4. Dial the **Speed Call** code to automatically dial the number.

Use Conference Hotline

Use the Conference Hotline feature to automatically dial a specific number. Other features, such as Call Redirection, can be added to Conference Hotline. Call Redirection redirects a Conference Hotline call to be answered only by a person.

To use Conference Hotline:



ConfHotline

1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key (1 through 6) corresponding to the **Conference Hotline** feature to automatically dial the number.

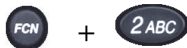
While on an active call

This section describes features available during an active call.

Place a call on hold

Use the Hold feature when talking on one line and another call arrives on a second line. Retain the original call by placing it on hold and then answer the second call.

To place a call on hold:



Press the **Function** key and the number **2** key to activate the Hold function. The number corresponding to the line on hold flashes in the upper display area.

Note: If **Automatic Hold** is enabled, the active call is automatically placed on hold when you answer the second call.

To retrieve a call on hold:



1. Press the **Line** key to access the Feature Keys menu in the active (off-hook) state.
2. Press the number key corresponding to the flashing line number in the upper display area.

Transfer a call

Use the Transfer feature to redirect a call to the appropriate person.

To use the Transfer feature to direct a call to a third party:



1. Press the **Transfer** soft key. The other party is on hold and a dial tone sounds. The line number corresponding to the line on hold flashes steadily in the upper display area.
2. Dial the DN number to which the call is being transferred.

Tms



To go back to the original call, if the transfer is incomplete:



3. When that number rings or a person answers, press the **Transfer** soft key again.
1. If the person called is not available, Press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the flashing line number, in the upper display area, to reconnect to the original call.

Use Attendant Recall

Use the Attendant Recall feature to contact an attendant during a call and to connect the call to the attendant.

To contact the attendant while on a call:



AttR



1. Press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Attendant Recall** feature. Stay on the line until the attendant answers.
3. Press the **Power Off/End Call** key. The caller remains connected to the attendant.

Use Call Park

Use the Call Park feature to hold temporarily (park) and retrieve a call from any telephone or handset. Using Call Park does not tie up a line and, when configured network-wide, can be used across networks. A **System Park Extension** can be set to automatically park most calls.

To park a call on the System Park DN or your own DN:



During an active call, press the **Park** soft key twice.

By default, the call is parked on your DN unless a **System Park** is enabled to automatically park calls on the system.

To park a call on a DN other than the System Park DN or your own DN:



1. Press the **Park** soft key.
2. Dial the DN where you want to park the call.
3. Press the **Park** soft key again.

Record a Calling Party Number

Use the Calling Party Number feature to record a caller's number or charge a call to an account number for accounting purposes during an established call.

To record a caller's number for accounting purposes:



1. Press the **Call Party** soft key to place the caller on hold. The entered number displays.



CPrt



2. Dial a charge account number or the caller's number.

Note: For information on using the **Charge** key, see “Charge a call or charge a forced call” on page 72.

3. Press the **Call Party** soft key to return to the call.

Display incoming calls

Use the Display feature to display a second incoming caller's number and name (if available) during an active call, without interfering with the call in progress.

To view the information on an incoming call while on a call in progress:



Display



1. Press the **Line** key to access the Feature Keys menu.
2. Press the number corresponding to the **Display** feature to activate the feature.
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the flashing line. The call waiting information displays.

Trace a Malicious call

Use the Malicious Call Trace feature to trace nuisance calls within your system.

To use Call Trace while on a call:



CallTrace

1. Press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Call Trace** feature.

Incoming calls

This section describes features that are used with incoming calls.

Activate Call Pickup

Use the Call Pickup feature to pick up calls from any telephone or handset in the same pickup group or another pickup group.

To answer a call in your own Call Pickup group:



Pckp



1. Go off-hook.
2. Press the **Pickup** soft key.

To answer an incoming call in another Call Pickup group:



GrpPkp



1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Group Pickup** feature.
4. Dial the pickup group number of the ringing handset.

To answer a call at a specific extension in any pickup group:



DNPickup

1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Pickup** feature.



4. Dial the DN of the handset that is ringing (in your call pickup group).

If the pickup DN or group number is invalid, press the **Power Off/End Call** key.

Use Call Waiting

The Call Waiting feature alerts you to an incoming call by producing a tone. It also puts the current call on hold, while you answer the new call.

To answer an incoming call while on another call:



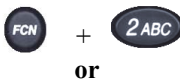
CallWait

1. When the incoming call tone sounds, press the **Function** key and the number **2** key to put the current call on hold.

Note: If **Automatic Hold** is enabled, it is not necessary to put the current call on hold. Begin with step 2.

2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Call Waiting** feature.

To return to the first telephone call:



or



1. Choose one of the following:
 - Press the **Function** key and the number **2** key to put the second call on hold.
 - Press **Power Off/End Call** to end the second call, then press the **Power On/Start Call** to enter the active (idle) state.



2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the first call.

Note: The first call is on hold so the number indicator for that line is flashing.

While away from your desk

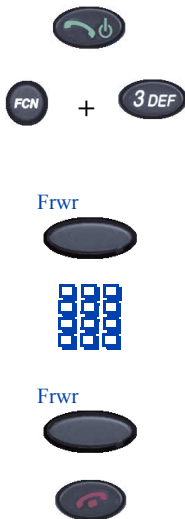
This section describes features that are used when you are away from your desk.

Use Call Forward

Use the Call Forward feature to direct incoming calls to ring at another Line (DN).

Note: If the handset is in the process of ringing, that call cannot be forwarded.

To forward your calls or change the forward number:



1. Go off-hook.
2. Place the handset in the active (idle) state by pressing the **Function** key and the number **3** key.
3. Press the **Forward** soft key.
4. Dial the DN where you want to forward your calls.
5. Press the **Forward** soft key again.
6. Press the **Power Off/End Call** key to turn off the handset.

To Quit Call Forward:



Press the **Forward** soft key.

To reinstate Call Forward to the same number:

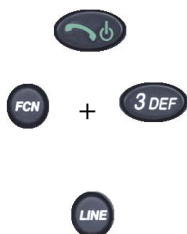


Press the **Forward** soft key twice.

Use Internal Call Forward

Use Internal Call Forward to accept only calls originating at internal DN's to ring at another DN. Calls originating outside your telephone system still ring at your handset. Current incoming calls cannot be forwarded.

To forward internal calls:



IntForward



IntForward

1. Go off-hook.
2. Place the handset in the active (idle) state by pressing the **Function** key and the number **3** key.
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the **Internal Call Forward** feature.
5. Dial the DN to which your internal calls are to be forwarded.
6. Press the **Line** key to access the Feature Keys menu.
7. Press the number key corresponding to the **Internal Call Forward** feature.

To Quit Internal Call Forward:



IntForward

1. Press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Internal Call Forward** feature.

To reinstate Call Forward to the same number:



IntForward

IntForward

1. Press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Internal Call Forward** feature twice.

Talk with more than one person

This section describes features that allow conversations among more than two people.

Use Call Join

Use the Call Join feature to connect calls to the current active call. This creates a conference between the two callers and yourself.

To connect a call on hold (on a different line) to your current call:

Conf



Conf



1. Press the **Conference** soft key.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the number of the caller you want to connect to your current call.
4. Press the **Conference** soft key again to join the person on hold to your conversation.

Set up a Conference call

Use a Conference call for three people (or six people, depending on your handset's configuration), including yourself.

To set up a conference call:

Conf



Conf



1. While on a call, press the **Conference** soft key to place the party on hold. You receive a dial tone.
2. Dial the number of the person you want to add to the conference call. You can talk privately to the person you are adding at this time.
3. Press the **Conference** soft key a second time to conference all parties together.

4. If necessary, repeat the procedure until all required people are in the conference.

If the person you attempt to add to the conference is unavailable:



1. Press the **Power Off/End Call** key.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the flashing icon to return to your original call.

Use Conferee Selectable Display

Use the Conferee Selectable Display feature to list active conferees and disconnect a conferee from the conference call.

To view active conferees:



+



ConfSelDsp

1. Go off-hook.
2. Place the handset in the active (idle) state by pressing the **Function** key and the number **3** key.
3. While on a conference call, press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the **Conferee Selectable Display** feature to turn on the LCD indicator. Each key press changes the screen to show a different active conferee.

Note: This action has no effect on the display of other telephones involved in the conference.



5. Press the **Power Off/End Call** key. If configured, the **Conference Count Display** returns an updated total count of conferees. The LCD indicator turns off.

To disconnect a conferee:



ConfSelDsp



1. While on a conference call, press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Conferee Selectable Display** feature until the conferee you want to disconnect appears on the screen.
3. Press the number key corresponding to the line on which the conference call is established.
4. Choose one of the following:
 - For a single conferee, press the **Power Off/End Call** key. If configured, the **Conference Count Display** returns an updated total count of conferees. The LCD indicator turns off.
 - For multiple conferees, repeat steps 1, 2 and 3 until all conferees are disconnected. Then press the **Power Off/End call** key.

Use Group Call

Use the Group Call feature to automatically call members of a predefined group, one at a time, until they all answer.

To call group members:



1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.

GroupCall

3. Press the number key corresponding to the **Group Call** feature.

The feature automatically calls all group members. The icon flashes until all members answer.

Note 1: The line numbers of the group members appear on the display as they answer. When the last person answers, the **Group Call** indicator lights steadily.

Note 2: When a person in your group is on a conference call or another group call, they are not connected to your group call.

Note 3: After everyone in the group has answered, only the person who made the group call can put the call on hold.

To answer a Group Call:



Press the **Power On/Start Call** key.

Note: About Notification Tones:

- If you are on a call and receive three 10-second tones, this is the notification of a group call on your current extension.
- If you are on a call on another line on your handset when a group call is made, you receive a long tone through the handset or speaker.
- You do not receive notification of a group call if you are already on a conference call or another group call.

To end a Group Call:



Press the **Power Off/End Call** key.

Note: When the person who made the group call disconnects, the call terminates for all members of the group. However, the members of the Group Call can disconnect from the call and not affect other members on the call.

Work without interruption

This section describes features that provide uninterrupted work time.

Activate Make Set Busy

Use the Make Set Busy feature to make your handset appear busy to all callers.

To activate Make Set Busy:



MakeSetBsy

1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Make Set Busy** feature.

To deactivate Make Set Busy:



MakeSetBsy

1. Go off-hook.
2. Press the **Line** key to access the Feature Keys menu.
3. Press the number key corresponding to the **Make Set Busy** feature a second time.

Other call features

Use Call Page Connect to make an announcement

Use the Call Page Connect feature to make an announcement over a paging system.

Note: A **Page** key on an attendant console overrides and disconnects the telephones. The telephones must re-access the Page trunk.

To connect to Call Page:



1. Go off-hook.
2. Dial the **Page Trunk Access Code** to complete the connection to the page system.
3. Make your announcement.

To disconnect Call Page:



Press the **Power Off/End Call** key.

Use Centrex/Exchange Switchhook Flash

Use the Centrex/Exchange Switchhook Flash feature during an established call to use a Centrex service, such as Call Transfer or Three-Way Calling.

To use Centrex/Exchange Line Switchhook Flash:



CentrexSHF



1. While in a call, press the **Line** key to access the Feature Keys menu.
2. Press the number corresponding to the **Centrex Switchhook Flash** feature.
A special dial tone sounds.
3. Dial the codes for your custom **Centrex** feature.
4. Press the **Power Off/End Call** key to end the call.

Charge a call or charge a forced call

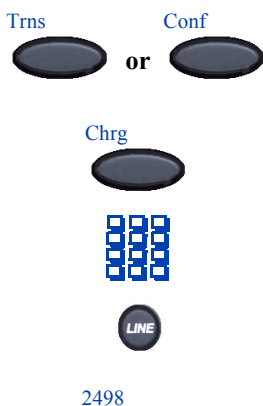
Use the Call Charge feature to charge a call to a specific account. The Forced Charge feature charges long-distance calls from a handset restricted to local calls.

To charge a local or long-distance call to an account before you dial:



1. Go off-hook.
2. Press the **Charge** soft key.
3. Dial the charge account number.
4. Press the **Charge** soft key.
5. When the dial tone sounds, dial the number.

To charge a call in progress:



1. Press the **Transfer** soft key or the **Conference** soft key. The call is placed on hold.
2. Press the **Charge** soft key.
3. Dial the charge account number.
4. Press the **Line** key to access the Feature Keys menu.
5. Press the number key corresponding to the line of the call to return to the call.

To charge a call to an account when you transfer a call:

Trns



Chrg



Trns



1. Press the **Transfer** soft key. The call is on hold.
2. Press the **Charge** soft key.
3. Dial the charge account number.
4. After the dial tone, dial the number to where the call is to be transferred.
5. Press the **Transfer** soft key when you hear the handset ring.

Note: You can talk privately to the person at the transfer number before you press the Transfer key.

To charge a call to an account when you add someone to a conference call:

Conf



Chrg



Conf



1. Press the **Conference** soft key. The call is placed on hold.
2. Press the **Charge** soft key.
3. Dial the charge account number.
4. Dial the number of the person you want to add to the conference.
5. Press the **Conference** soft key.

Use Enhanced Override

Use the Enhanced Override feature to override an active call after you have attempted a Forced Camp-on. Use Enhanced Override to make a simple call or a consultation call (such as placing a call on hold and calling another party).

To use Enhanced Override:



Override

Override

1. If you receive a busy signal after dialing a number, press the **Line** key to access the Feature Keys menu.
2. Press the number key corresponding to the **Override** feature to initiate a Forced Camp-on.

If either person on the call disconnects at this time, you receive an overflow (fast busy/engaged) signal.

3. Press the number key corresponding to the **Override** feature again.

The other two persons on the call receive an override tone and a conference call is established between the three of you. If anyone disconnects, the other two persons remain connected.

To end the connection:



Press the **Power Off/End Call** key.

Use Forced Camp-on

Use the Forced Camp-on feature to automatically ring another handset (internal or external) immediately after that handset disconnects from its current call. Forced Camp-on in conjunction with Priority Override is referred to as Enhanced Override.

To use Forced Camp-on:



1. If you receive a busy signal after dialing a number, press the **Line** key to access the Feature Keys menu.

Override

2. Press the number key corresponding to the **Override** feature to initiate a Forced Camp-on.

Note: The person you called receives a tone, and you receive a ring/ringback signal or busy/engaged signal, depending on the options chosen. You are now camped-on to the number you dialed.

3. When the person you called finishes their call, your handset automatically dials the number. Both your handset and their handset rings.

To answer a call camped-on to your extension:



When the handset rings, press the **Power On/Start call** key.

Note: You can program your handset for either Camp-on or Call Waiting, but not both.

Use Privacy Release

Use the Privacy Release feature to enable one or more people who share your DN to join a call.

To use Privacy Release:

PrvR



Press the **Privacy Release** soft key during a call. A person joins the call by pressing the shared number (DN) key on their handset (Multiple Appearance DN feature).

Branch Office

A Branch Office handset can operate in Normal Mode or Local Mode.

Normal mode

The handset registers with the Main Office and receives services from the Main Office. At any time during Normal Mode you can check local mode functionality (make and receive calls) by enabling Local Mode and returning to Normal Mode.

Local mode

If the WAN connection goes down, the handset loses communication with the Main Office TPS. It then registers with the Branch Office and receives services from the Branch Office. When in Local Mode, the handset displays “LOCAL MODE”.

Troubleshoot Branch Office

When using Branch Office, you can see error messages on your screen. Table 4 lists error messages and corrective actions.

Table 4
Troubleshoot Branch Office

Display Message	Probable Cause	Actions
Local Mode	Network problem.	Contact local network administrator if problem persists.
Local Mode Invalid ID (1)	Gatekeeper unable to find end point from Branch User ID.	Notify local network administrator.
Local Mode Invalid ID (2)	Branch User ID not found in any equipped TN.	Notify local network administrator.

Hospitality features

The hospitality features in this section are intended for hotel operations.

Activate Message Registration

Use the Message Registration feature to read, change, or reset meters that log your hotel calls.

To read meters:



1. Go off-hook.
2. Press the **Function** key and the number **3** key to enter the active (idle) state.
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the **Message Registration** feature.
5. Dial the room Directory Number (DN).
6. Press the number key corresponding to the **Message Registration** feature again.

To change a meter:



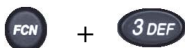
1. Go off-hook.
2. Press the **Function** key and the number **3** key to enter the active (idle) state.
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the **Message Registration** feature.
5. Dial the room DN number.
6. Dial the correct meter count.



MsgReg

- Press the * key.
- Press the **Line** key to access the Feature Keys menu.
- Press the number key corresponding to the **Message Registration** feature again.

To reset a meter to zero:



MsgReg



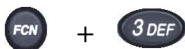
MsgReg

- Go off-hook.
- Press the **Function** key and the number **3** key to enter the active (idle) state.
- Press the **Line** key to access the Feature Keys menu.
- Press the number key corresponding to the **Message Registration** feature.
- Dial the room Directory Number (DN).
- Press the * key.
- Press the **Line** key to access the Feature Keys menu.
- Press the number key corresponding to the **Message Registration** feature again.

Use Maid Identification

Use the Maid Identification feature to track the cleaning status of rooms. The maid enters the information from the telephone in each room.

To enter cleaning status:



- Go off-hook.
- Press the **Function** key and the number **3** key to enter the active (idle) state.
- Press the **Line** key to access the Feature Keys menu.

RoomStatus



RoomStatus

4. Press the number key corresponding to the **Room Status** feature.
5. Dial the Directory Number (DN) for the room for which the cleaning status is being changed.
6. Dial one of the following cleaning status codes:
 - 1 = Cleaning requested
 - 2 = Cleaning in progress
 - 3 = Room cleaned
 - 4 = Room passed inspection
 - 5 = Room failed inspection
 - 6 = Cleaning skipped
 - 7 = Not for sale

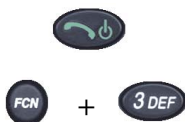
The interrupted dial tone sounds.

7. Press the * key.
8. Dial the **Maid** ID. If you dial the wrong **Maid** ID, press the * key and redial the ID.
9. Press the **Line** key to access the Feature Keys menu.
10. Press the number key corresponding to the **Room Status** feature.

Display Room Status

The Room Status feature prints the status of a room using the Display Module.

To read the status of a room:



1. Go off-hook.
2. Press the **Function** key and the number **3** key to enter the active (idle) state.



RoomStatus



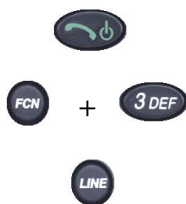
3. Press the **Line** key to access the Feature Keys menu.
4. Press the number key corresponding to the **Room Status** feature.
5. Dial the Directory Number (DN) for the room. The DN displays followed by a two-digit code.
 - a. The first digit indicates the occupancy status:
 - 0 = Room vacant
 - 1 = Room occupied
 - b. The second digit indicates the cleaning status of the room:
 - 1 = Cleaning requested
 - 2 = Cleaning in progress
 - 3 = Room cleaned
 - 4 = Room passed inspection
 - 5 = Room failed inspection
 - 6 = Cleaning skipped
 - 7 = Not for sale



RoomStatus

6. Press the **Line** key to access the Feature Keys menu.
7. Press the number corresponding to the **Room Status** feature.

To change the status of a room:



RoomStatus

1. Go off-hook.
2. Press the **Function** key and the number **3** key to enter the active (idle) state.
3. Press the **Line** key to access the Feature Keys.
4. Press the number key corresponding to the **Room Status** feature.



5. Dial the Directory Number (DN) for the room. The DN displays followed by a two-digit code.

- a. The first digit indicates the occupancy status:

0 = Room vacant

1 = Room occupied

- b. The next digit indicates the cleaning status of the room:

1 = Cleaning requested

2 = Cleaning in progress

3 = Room cleaned

4 = Room passed inspection

5 = Room failed inspection

6 = Cleaning skipped

7 = Not for sale



6. Dial the status code for the room. A three-digit code appears. The first digit indicates the occupancy status, the second the old cleaning status, and the third the new status.



RoomStatus

7. Press the **Line** key to access the Feature Keys menu.
8. Press the number key corresponding to the **Room Status** feature.

Battery packs

The battery pack for the 2210 Wireless Handset must be recharged periodically. The Nickel Metal Hydride (NiMH) rechargeable battery pack provides four hours of talk time or 70 hours of standby time. Standby time is when the handset is turned on, but not in an active call. Refer to Figure 4 for the location of the battery pack.

Figure 4
2210 Wireless Handset battery pack location



Low battery indicators

The 2210 Wireless Handset notifies you when the charge on the battery pack is low by displaying the battery icon. If you are not in a call, you hear a loud beep. If you are in a call, you hear a soft beep through the earpiece every six seconds. At this point, your 2210 Wireless Handset has 15 to 30 minutes of battery life left.

The Low Battery message in the display area and a loud beep indicate a critically low charge. The handset will not work until the battery pack is charged.

Remove and insert the battery pack

To remove a battery pack:

Press both battery release buttons on the left and right sides of the handset.

The battery pack releases from the handset.

To insert a battery pack:

Slide the battery pack straight into the handset cavity.

Do not force the battery pack into the handset.

To change a battery pack while in a call:

1. Use Call Park to park the current call (see “Use Call Park” on page 55).
2. Quickly remove the discharged battery pack and replace it with a charged battery pack.
3. Press **Power On/Start Call** to turn the handset back on.
4. Use Call Park to retrieve the parked call (see “Use Call Park” on page 55).

Desktop Charger

The Nortel Networks WLAN Handset 2210 Desktop Charger (Figure 5) is designed to fully charge the Nickel Metal Hydride (NiMH) battery packs in approximately one and a half hours. The charger operates in a 50° to 85° F (10° to 30° C) environment. Do not expose the charger to freezing temperatures or direct sunlight.

Figure 5
The 2210 Wireless Handset Desktop Charger



The charger is shipped with the appropriate power supply for the site. Place the charger on a flat, horizontal surface. Plug the power supply into the charger and into an appropriate wall outlet.

IMPORTANT!

Do not place anything in the Desktop Charger other than the 2210 Wireless Handset. You might damage the contacts. Bent contacts can keep the handset from charging.

Use the Desktop Charger

To charge the Wireless Handset:



1. Press the **Power Off/End Call** key to terminate any calls.

The handset can be off or in standby mode during charging.

2. Place the handset, face forward, into the Desktop Charger.

The red indicator light turns on.

Note: The indicator light does not come on when the charger slot is empty, when the handset is not inserted properly, or when the charger has no power.

3. Charge the battery pack.

If the handset is in standby mode, it displays its extension number and **Charging...** It is fully operational and can receive calls. If the handset is off, only **Charging...** displays and the handset cannot receive calls.

Note: It is normal for the battery pack to become warm when charging.

4. When the handset is fully charged, **Charge Complete** displays. Remove the handset from the charger.

Note: The red indicator light remains on until the handset is removed from the charger.

Clean the Desktop Charger

Clean the Desktop Charger by wiping the surface with a clean, water-dampened cloth or paper towel. A mild detergent solution can be used. Be sure to wipe away any detergent residue with a plain water dampened cloth.

**CAUTION**

Do not immerse the charger in water or other liquid.

Do not pour liquids into the charger slot.

The battery pack contacts on the handset can be cleaned with isopropyl (rubbing) alcohol applied with a Q-tip, cloth, or paper towel. Do not push or pull the exposed battery pack contacts.

IMPORTANT!

- Always use the Desktop Charger provided to charge the battery pack. Other chargers can damage the battery pack.
- Only use the original plug-in power adapter for the Desktop Charger.
- Do not dip the battery pack in water or throw into the fire.
- Do not dispose of the battery pack with your domestic waste. Take used battery packs to an appropriate collection point for recycling or send them back to your supplier or servicing agent.
- Replacement battery packs are available from your supplier or servicing agent.

Terms you should know

Attendant

A telephone operator in your organization.

Autodial

A telephone number programmed on the Autodial key for one-touch dialing.

Call party information

The display showing Call Party Name Display (CPND) information including the telephone number and name of the incoming call. The system must have CPND enabled.

Desktop Charger

The Desktop Charger is used to recharge the battery pack for the 2210 Wireless Handset.

Directory Number (DN)

A number consisting of one to seven digits for a handset. Also known as an *extension number*.

Feature display

An area that shows status information about the feature in use. It also displays the name and status of the active session.

Fixed key

The hard-labeled keys on your handset.

Indicator

An LCD or an LED that indicates the status of a feature by the flash, wink, steady on, or off.

Interrupted dial tone

A broken or pulsed dial tone, heard when you access some of the features on your handset.

More...

An option enabling access to the multiple layers of the soft key features. These keys are the four keys located directly below the display area.

Paging tone

A special tone heard when using the Radio Paging feature. You hear two beeps followed by dial tone.

Primary Directory Number

The main extension number on your handset. It is referred to by the Primary Directory Number (PDN) key.

Private Line

A feature that can be assigned to your handset. With this line, you can reach an outside number without dialing a code to access an outside line. Internal extensions cannot be dialed from a private line.

Feature Keys

The keys accessed using the Line key.

Secondary Directory Number

A second incoming/outgoing line for your handset.

Shared Directory Number

A DN (extension) that is shared by two or more persons.

Soft keys (self-labeled)

A set of keys programmed by your system administrator. These four keys located directly below the display area have four programmable layers. The layers are accessed through the **More...** key.

Special dial tone

The three consecutive tones followed by dial tone that you hear when accessing handset features.

Status Messages

A message displayed to inform the user of important information. A right arrow appears if more than one Status Message is present. Examples of Status Messages include: Message Waiting, All Lines Forwarded to: 6453, Do Not Disturb On, Ring Again active, Ringer is OFF, and Line x Unavailable.

System or switch

Your office communications system.

User Interface

In this User Guide, User Interface refers to the display screen that interacts with the end-user as a result of an action or event.

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Nortel Networks Communication Server 1000

Nortel Networks WLAN Handset 2210 User Guide

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